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| Potato type L | 835:--YDDIIGSLEGNEGFGGRADYFLVGKDFPSYIECQEKVDEAYRDKRWTNSILNTAGSY | 892 |
| Potato type L2 | 812:--YEELMGSLEGNEGFGGRADYFLVGKDFPDYIECQKVDEAYRDKRWTNSILNTAGSF | 869 |
| Sweet potato type L | 831:--YDELLGSLEGNEGFGGRADYFLVGKDFPSYIECQEKVDEAYRDKRWTNSILNTAGSY | 888 |
| Fava bean type L | 858:--YDELLGSLEGNEGFGGRADYFLVGKDFPSYIECQEKVDEAYRDKRWTNSILNTAGS 915 | |
| Arabidopsis thaliana type L | 881:--YDELLGSLEGNEGFGGRADYFLVGKDFPSYIECQEKVDEAYRDKRWTNSINNTAGSF | 938 |
| Spinach | 890:--YDELLGSLEGNEGFGGRADYFLVGKDFPSYIECQEKVDEAYRDKRWTNSILNTAGS 947 | |
| Rice type L | 847:--YDOLMGSLEGNEGFGGRADYFLVGKDFPSYIECQEKVDEAYRDKRWTNSILNTASS 904 | |
| Rice type L2 | 870:--YDOLMGSLEGNEGFGGRADYFLVGKDFPSYIECQEKVDEAYRDKRWTNSILNTASS 927 | |
| Corn type L | 902:--YDELMGSLEGNEGFGGRADYFLVGKDFPSYIECQEKVDEAYRDKRWTNSILNTAGS 959 | |
| Potato type H | 757:--YNPLLESLEGNSCYGRGDYFLVGHDIFPSYDMAQARVDEAYRDKRWTNSILSTSGS 814 | |
| Fava bean type H | 761:--YNPLLESLEGNSCYGRGDYFLVGYDIFPSYDMAQKVDEAYRDKRMLKNSILSTAGG 818 | |
| Arabidopsis thaliana type H | 760:--YGPLLDSLEGNTGFGGRGDYFLVGYDIFPSYDMAQKVDEAYRDKRMLKNSILSTAGG 817 | |
| Rice type H | 760:--YAPLLDSLEGNSCYGRGDYFLVGYDIFPSYDMAQAVDEAYRDKRWTNSILNTAGS 817 | |
| Wheat | 751:--YTPLLDSLEGNTGFGGRGDYFLVGYDIFPSYDMAQARVDEAYRDKKKWVKNSILNTAGS 808 | |
| Citrus type H | 759:--YNPLLESLEGNTGFGGRGDYFLVGYDIFPSYLEAQRVDMAQYKDRKWLKNSILSTAGG 816 | |
| E.coli MalQ | 722:HAFDMLHS1GKOGG-DP--YLWMA-DFAYAYEAOVKDVLRYDDEANTRAALNTARGC 777 | |

Add

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| Potato type L | 893:KFSSDRTIHEYAKDIIW--NIEAVEIA | 916 SEQ ID 2 |
| Potato type L2 | 870:KFSSDRTIHOYAKDIIW--RIEPVELP | 893 SEQ ID 6 |
| Sweet potato type L | 889:KFSSDRTIHEYAKDIIW--NIOPVWP | 912 SEQ ID 4 |
| Fava bean type L | 916:KFSSDRTIHEYAREIWIW--NIEPKVLE | 939 SEQ ID 8 |
| Arabidopsis thaliana type L | 939:KFSSDRTIHEYAKDIIW--NIKPVWLP | 962 SEQ ID 10 |
| Spinach | 948:KFSSDRTIHOYAKDIIW--NIHPVNL | 971 SEQ ID 12 |
| Rice type L | 905:KFNSDRTIHEYAKDIIW--D1KPVILP | 928 SEQ ID 16 |
| Rice type L2 | 928:KFNSDRTIHEYAKDIIW--D1KPVILP | 951 SEQ ID 18 |
| Corn type L | 960:KFSSDRTIHEYAKDIIW--DISPAILP | 983 SEQ ID 14 |
| Potato type H | 815:KFSSDRTIAYOYAKEIWIW--NIECRVP | 838 SEQ ID 30 |
| Fava bean type H | 819:KFSSDRTIAYOYAKEIWIW--NIECRVP | 842 SEQ ID 26 |
| Arabidopsis thaliana type H | 818:KFSSDRTIAYOYAKEIWIW--NIEACPVP | 841 SEQ ID 28 |
| Rice type H | 818:KFSSDRTIAYOYAKEIWIW--GITASPVs | 841 SEQ ID 24 |
| Wheat | 809:KFSSDRTIAYOYAKEIWIW--GISACPVP | 832 SEQ ID 20 |
| Citrus type H | 817:KFSSDRTIAYOYAKEIWIW--NITEORTS | 840 SEQ ID 22 |
| E.coli MalQ | 778:MFSSDRTIAYOYARIHOQAR----- | 797 SEQ ID 35 |

Fig. 11

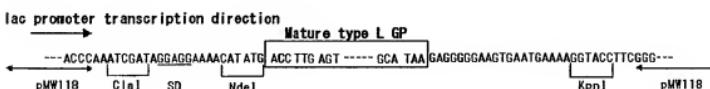


Fig. 2